Hal Finkel

List of Publications by Year
in descending order

		759233	794594
19	855	12	19
papers	citations	h-index	g-index

19	19	19	1322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Last Journey. I. An Extreme-scale Simulation on the Mira Supercomputer. Astrophysical Journal, Supplement Series, 2021, 252, 19.	7.7	12
2	GRChombo: An adaptable numerical relativity code for fundamental physics. Journal of Open Source Software, 2021, 6, 3703.	4.6	34
3	The Outer Rim Simulation: A Path to Many-core Supercomputers. Astrophysical Journal, Supplement Series, 2019, 245, 16.	7.7	67
4	The Borg Cube Simulation: Cosmological Hydrodynamics with CRK-SPH. Astrophysical Journal, 2019, 877, 85.	4.5	14
5	Performance Exploration Through Optimistic Static Program Annotations. Lecture Notes in Computer Science, 2019, , 247-268.	1.3	2
6	HACC Cosmological Simulations: First Data Release. Astrophysical Journal, Supplement Series, 2019, 244, 17.	7.7	17
7	Compiler Optimizations for Parallel Programs. Lecture Notes in Computer Science, 2019, , 112-119.	1.3	2
8	Evaluating LULESH Kernels on OpenCL FPGA. Lecture Notes in Computer Science, 2019, , 199-213.	1.3	2
9	The TRegion Interface and Compiler Optimizations for OpenMP Target Regions. Lecture Notes in Computer Science, 2019, , 153-167.	1.3	12
10	Halo Profiles and the Concentrationâ€“Mass Relation for a Î›CDM Universe. Astrophysical Journal, 2018, 859, 55.	4.5	83
11	Compiler Optimizations for OpenMP. Lecture Notes in Computer Science, 2018, , 113-127.	1.3	8
12	Evaluation of a Floating-Point Intensive Kernel on FPGA. Lecture Notes in Computer Science, 2018, , 664-675.	1.3	8
13	The Mira-Titan Universe. II. Matter Power Spectrum Emulation. Astrophysical Journal, 2017, 847, 50.	4.5	98
14	SIMULATIONS OF THE PAIRWISE KINEMATIC SUNYAEVâ€“ZELâ€™DOVICH SIGNAL. Astrophysical Journal, 2016, 823, 98.	4.5	32
15	THE MIRAâ€“TITAN UNIVERSE: PRECISION PREDICTIONS FOR DARK ENERGY SURVEYS. Astrophysical Journal, 2016, 820, 108.	4.5	100
16	HACC: Simulating sky surveys on state-of-the-art supercomputing architectures. New Astronomy, 2016, 42, 49-65.	1.8	166
17	COSMIC EMULATION: FAST PREDICTIONS FOR THE GALAXY POWER SPECTRUM. Astrophysical Journal, 2015, 810, 35.	4.5	74
18	<tt>GRChombo</tt> : Numerical relativity with adaptive mesh refinement. Classical and Quantum Gravity, 2015, 32, 245011.	4.0	83

#	Article	IF	Citations
19	THE Q CONTINUUM SIMULATION: HARNESSING THE POWER OF GPU ACCELERATED SUPERCOMPUTERS. Astrophysical Journal, Supplement Series, 2015, 219, 34.	7.7	41